

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Robert DWILINSKI et al.

Serial No.: Not Yet Assigned

Filing Date: Concurrently Herewith

For: PROCESS FOR OBTAINING OF BULK
MONOCRYSTALLINE GALLIUM-
CONTAINING NITRITE

Examiner: Not Yet Assigned

Group Art Unit: Not Yet Assigned

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of foreign documents and non-patent literature are submitted herewith. The Examiner is requested to make these documents of record.

The documents listed on the attached Form PTO/SB/08a/b were cited in International Search Reports mailed on April 16, 2003, June 10, 2003, and September 27, 2004, (copies attached) directed to counterpart international applications.

This Information Disclosure Statement is submitted with the application; accordingly, no fee or separate requirements are required.

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

10/519141
DT05 E&P'd PCT/PTO 27 DEC 2004

Application No: Not yet assigned

Atty. Docket No: 204552034000

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 204552034000.

Dated: December 27, 2004

Respectfully submitted,

By _____
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ALTERNATIVE TO PTO/SB/08a/b (06-03)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	Not Yet Assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Robert DWILINSKI
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number 204552034000	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
1.	US-6,249,534-B1	06-19-2001	Itoh et al.		
2.	US-6,177,057	01-23-2001	Purdy		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
3.	FR-2796657-A	01-26-2001			✓
4.	WO-9855671-A	12-10-1998			✓
5.	GB-2326160-A	12-16-1998			✓
6.	JP-10-7496	01-13-1998		abstract	
7.	JP-7-249830	09-26-1995		abstract	
8.	JP-2-137287	05-25-1990		abstract	
9.	JP-9-134878	05-20-1997		abstract	
10.	EP-0949731-A2	10-13-1999			✓

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	11.	Aoki et al. "Growth of GaN Single Crystals from a Na-Ga Melt at 750°C and 5MPa of N ₂ ," Journal of Crystal Growth 218 (2000); pp. 7-12			
	12.	Yamane et al. "Polarity of GaN Single Crystals Prepared with Na Flux," Jpn. J. Appl. Phys. Vol 37 (1998); pp. 3436-3440			
	13.	Ketchum et al. "Crystal Growth of Gallium Nitride in Supercritical Ammonia," Journal of Crystal Growth 222 (2001); pp. 431-434			
	14.	Dwilinski et al. "AMMONO Method of BN, AlN and GaN Synthesis and Crystal Growth," MRS Internet J. Nitride Semicond. Res. 3, 25 (1998), pp. 1-4			
	15.	Yano et al. "Control of Nucleation Site and Growth Orientation of Bulk GaN Crystals," Jpn. J. Appl. Phys. Vol 38 (1999) pp. L1121-1123			

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered
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va-88197